AMENDMENTS TO THE CLAIMS

1. (Original) A guest-host polarizer comprising an oriented polymer film including an oriented polymerized liquid crystal host and a dichroic light-absorbing guest dispersed and oriented in the host, the oriented polymer film having a dichroic ratio of about 15 or more.

2. (Original) A guest-host polarizer as claimed in claim 1 wherein the oriented polymerized liquid crystal host is obtained by polymerizing an oriented polymerizable liquid crystal.

3. **(Currently amended)** A guest-host polarizer as claimed in claim 1, wherein the orientation of the oriented film is or corresponds to the orientation of a smectic phase S_X wherein ~~X is not A or C~~ the smectic phase S_X is not smectic A phase or smectic C phase.

4. (Previously presented) A guest-host polarizer as claimed in claim 1, wherein the oriented polymer film has a film thickness of about 10 μm or less.

5. **(Currently amended)** A guest-host polarizer as claimed in claim 1, wherein the dichroic light-absorbing guest is a blue absorbing dichroic colorant and the polarizer further comprises a thin film obtained from a perylene-based, naphthalene-based or anthraquinone-~~basedlyotropic~~ based lyotropic liquid crystal or combination thereof.

6. (Withdrawn) A liquid crystal cell comprising a substrate, a liquid crystal layer and a guest-host polarizer as claimed in claim 1.

7. (Withdrawn) The liquid crystal cell of claim 6 wherein the guest-host polarizer is arranged between the liquid crystal layer and the substrate.

8. (Withdrawn) A liquid crystal cell as claimed in claim 7 wherein at least one of a compensation layer, a retarder layer, a color filter layer and a viewing angle layer or other optical layer is arranged between the substrate and the liquid crystal layer.

9. (Withdrawn) A polymerizable liquid crystal for use in the manufacture of an oriented polymer film, the polymerizable liquid crystal having a smectic phase S_X where X is not A or C, with the exception of trans-1-[4-[6-(acryloyloxy)hexyloxy]cyclohexanecarboxyl]-4-[4-[6-(acryloyloxy)hexyloxy]benzoyloxy]benzene.

10. (Withdrawn - **Currently amended**) A polymerizable liquid crystal as claimed in claim 9, wherein the polymerizable liquid crystal is one of the formula I

U-V-W-X-Y-X'-Y'-X"-W'-V'-U' (I)

wherein

X, X' and X" are each, independently of one another, Ph or **[[Cyc]]** Cy;

where Ph is a 1,4-phenylene unit and **[[Cyc]]** Cy is a trans 1,4-cyclohexylene unit;

Y, Y' are each, independent of one another, -CH_2CH_2-, -CH_2O- or -OCH_2-, -OCO-, -COO-, - -, -N=N-, -C=C, -C≡C-, -C=N-; U, U' are each, independent of one another, a polymerizable group or U is a polymerizable group and U' = H or U = H and U' is a polymerizable group;

V, V' are each, independent of one another, a spacer; and

W, W' are each, independent of one another, a direct bond, -O-, -S-, -COO-, or -OCO-;

with the proviso that if X, X' and X" are each Ph then Y' is -CH_2CH_2-, -CH_2O- or -OCH_2- and/or at least of one X, X' or X" is Ph.[[.]]

11. (Withdrawn - **Currently amended**) A polymerizable liquid crystal as claimed in claim 10, wherein X is Ph, X' is Ph and X" is **[[Cyc]]** Cy or X is Ph, X' is **[[Cyc]]** Cy and X" is Ph.

12. (Withdrawn) A polymerizable liquid crystal as claimed in claim 11, wherein X, X' and X" are each, independently of one another, Ph and Y' is -CH_2CH_2-, -CH_2O- or -OCH_2-.

13. (Withdrawn) A polymerizable liquid crystal thin film forming composition comprising a polymerizable liquid crystal as claimed in claim 9, and at least one of a polymerization initiator, a photo-initiator, a polymerization inhibitor, a preservative and a surfactant for adjusting the tilt angle adopted by the polymerizable crystal at a surface when a thin film is formed on such surface.

14. (Withdrawn) An oriented polymer film including a polymerized liquid crystal obtainable by polymerizing an oriented polymerizable liquid crystal as claimed in claim 9, or trans-1-[4-[6-(acryloyloxy)hexyloxy]cyclohexanecarboxyl]-4-[4-[6-acryloyloxy)hexyloxy]benzoyloxy]benzene.

15. (Withdrawn) A method of manufacturing a guest-host polarizer comprising an oriented polymer film including an oriented polymerized liquid crystal host and a dichroic light-absorbing guest dispersed and oriented in the host, the oriented polymer film having a dichroic ratio of about 15 or more, the method comprising:

- providing a thin film of a polymerizable liquid crystal host and, dispersed therein, a dichroic light-absorbing guest;

- orienting the polymerizable liquid crystal host and the dichroic light-absorbing guest to obtain an oriented thin film of oriented polymerizable liquid crystal host and a dichroic light-absorbing guest dispersed and oriented in the host, the oriented thin film having a dichroic ratio of about 15 or more;

- polymerizing the polymerizable liquid crystal host in the oriented state to obtain an oriented polymer film including an oriented polymerized liquid crystal host and a dichroic light-absorbing guest dispersed and oriented in the host, the oriented polymer film having a dichroic ratio of about 15 or more.